CLAIMS

What is claimed is:

1. An electrophoretic display comprising:

a substrate;

at least one capsule containing a suspending fluid and at least one charged particle, said charged particle having an optical property; and

at least two electrodes disposed on said substrate adjacent said at least one capsule and positioned in a spaced apart relationship to one another,

wherein a potential difference between said electrodes causes the particles to migrate toward at least one of said at least two electrodes, thereby effecting change in visual state.

2. The display of claim 1, wherein said suspending fluid is substantially transparent.

3. The display of claim 1, wherein said at least one charged particle has a black color.

4. The display of claim 1, wherein said at least one charged particle has a white color.

5. The display of claim 1, wherein one of said at least two electrodes is substantially transparent.

6. The display of claim 1, wherein both of said at least two electrodes are substantially transparent.

7. The display of claim 1, wherein one of said at least two electrodes has a first optical property and the other of said at least two electrodes has a second optical property.

8. The display of claim 6, wherein said at least one charged particle is black and wherein application of a first voltage potential to said black electrode causes said black

particles to migrate within said capsule to a location adjacent said black electrode, causing said capsule to appear substantially white, and wherein application of a second voltage potential to said black electrode causes said black particles to migrate within said capsule to a location adjacent said white electrode causing said capsule to appear substantially black.

9. An electrophoretic display comprising:

at least one capsule containing a suspending fluid and at least one particle having a first optical property;

at least two electrodes, each having a second optical property adjacent said at least one capsule; and

at least one electrode having said first optical property adjacent said at least one capsule;

wherein application of a voltage potential to said at least two electrodes causes the capsule to change visual state.

10. The electrophoretic display of claim 8, wherein each of said at least two electrodes has a different optical property.

11. The electrophoretic display of claim 8, wherein said suspending fluid is dyed.

12. The electrophoretic display of claim 8, wherein said suspending fluid is substantially transparent.

13. The electrophoretic display of claim 8 wherein said at least one particle has a black color.

14. The electrophoretic display of claim 8 wherein said at least one electrode is substantially transparent.